

IN THE CLAIMS

Please cancel Claims 8-13 and 21-26, without prejudice or disclaimer of subject matter, and amend Claims 1, 5, 14, 18, 27 and 29. The following is a complete listing of claims and replaces all prior versions and listings of claims in the present application:

Claim 1 (currently amended): A multi-functional device connected to a network, and having a plurality of functions including at least a first function and a second function, said device comprising:

registration means for transmitting information on the function of the device to a directory server on said network by a predetermined network protocol, and registering the information in said directory server;

generation means for generating identification information [[on]] corresponding to a third function realized by combining said first function and second function, the third function being provided as one service; and

control means for registering the information generated by said generation means in said directory server by said registration means.

Claim 2 (currently amended): The device according to claim 1, wherein said control means registers either said first function or said second function in said directory server by said registration means.

Claim 3 (currently amended): The device according to claim 1, wherein said first function is a printer function for providing a printer service.

Claim 4 (currently amended): The device according to claim 1, wherein said second function is a scanner function for providing a scanner service.

Claim 5 (currently amended): The device according to claim 1, wherein said first function is a printer function for providing a printer service, said second function is a scanner function for providing a scanner service, and said third function is a copy function for providing a copy service.

Claim 6 (currently amended): The device according to claim 1, wherein said network protocol is SLP or LDAP.

Claim 7 (original): A network device connected to a network, and having a plurality of services including at least a first service and a second service, said device comprising:

registration means for transmitting information on the service of the device to a directory server on said network by a predetermined network protocol, and registering the information in said directory server;

generation means for generating information on a third service realized by combining said first service and second service; and

control means for registering the information generated by said generation means in said directory server by said registration means.

Claims 8-13 (canceled).

Claim 14 (currently amended): A controlling method of a multi-functional device connected to a network, and having a plurality of functions including at least a first function and a second function, said method comprising:

a registration step for transmitting information on the function of the device to a directory server on said network by a predetermined network protocol, and registering the information in said directory server;

a generation step for generating identificaiton information [[on]] corresponding to a third function realized by combining said first function and second function, the third function being provided as one service; and

a control step for registering the information generated by said generation step in said directory server by said registration step.

Claim 15 (currently amended): The method according to claim 14, wherein said control step ~~registers~~ includes registering either said first function or said second function in said directory server by said registration step.

Claim 16 (currently amended): The method according to claim 14, wherein said first function is a printer function for providing a printer service.

Claim 17 (currently amended): The method according to claim 14, wherein said second function is a scanner function for providing a scanner service.

Claim 18 (currently amended): The method according to claim 14, wherein said first function is a printer function for providing a printer service, said second function is a scanner function for providing a scanner service, and said third function is a copy function for providing a copy service.

Claim 19 (currently amended): The method according to claim 14, wherein said network protocol is SLP or LDAP.

Claim 20 (original): A controlling method of a network device connected to a network, and having a plurality of services including at least a first service and a second service, said method comprising:

a registration step for transmitting information on the service of the device to a directory server on said network by a predetermined network protocol, and registering the information in said directory server;

a generation step for generating information on a third service realized by combining said first service and second service; and

a control step for registering the information generated by said generation step in said directory server by said registration step.

Claims 21-26 (canceled).

Claim 27 (currently amended): A computer program executed by a computer of a multi-functional device connected to a network and having a plurality of functions including at least a first function and a second function, said program comprising:

a registration step for transmitting information on the function of the device to a directory server on said network by a predetermined network protocol, and registering the information in said directory server;

a generation step for generating identification information [[on]] corresponding to a third function realized by combining said first function and second function, the third function being provided as one service; and

a control step for registering the information generated by said generation step in said directory server by said registration step.

Claim 28 (original): A computer readable storage medium in which the computer program according to claim 27 is stored.

Claim 29 (currently amended): A computer program executed by a computer of a network device connected to a network, and having a plurality of services including which

~~provides~~ at least a first service and a second service, said program comprising:

a registration step for transmitting information on the service of the device to a directory server on said network by a predetermined network protocol, and registering the information in said directory server;

~~a selection step for selecting another network device on said network;~~

a generation step for generating information on a third service realized by combining ~~a second service of the network device selected by said selection step~~ with said first service and second service; and

a control step for registering the information generated by said generation step in said directory server by said registration step.

Claim 30 (original): A computer readable storage medium in which the computer program according to claim 29 is stored.